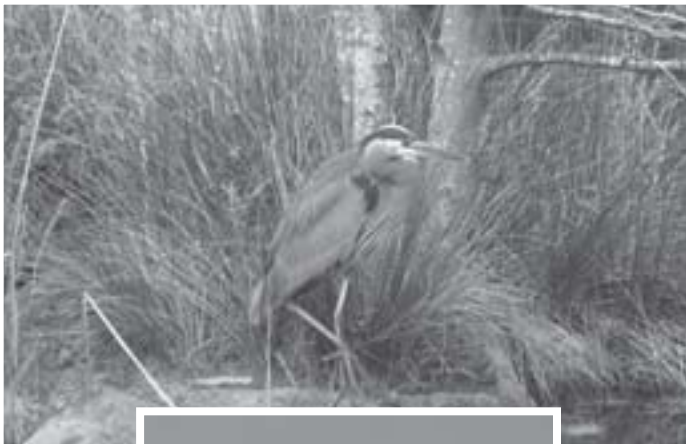


# Environmental **LEARNING**

Center Programs  
*for Schools &  
Organized Groups*



**SEATTLE PARKS  
AND RECREATION**



*Seattle Parks and Recreation  
will work with all citizens to be  
good stewards of our environment,  
and to provide safe and  
welcoming opportunities to play,  
learn, contemplate and  
build community.*



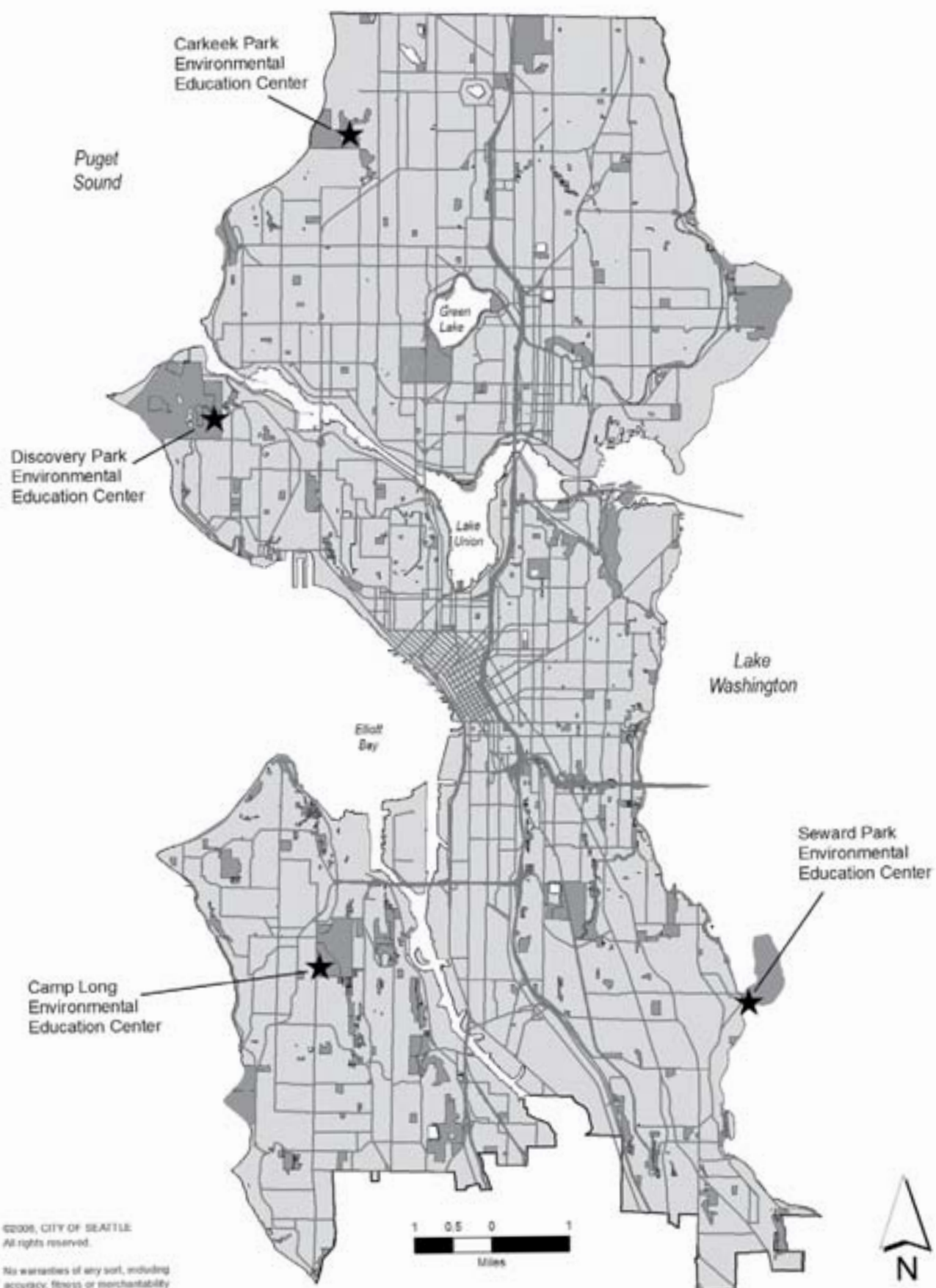
*The programs offered at Seattle Parks and Recreation's Environmental Learning Centers (ELCs) provide opportunities for students, youth groups, teachers, and other organized groups to experience age appropriate, hands-on adventures in learning about the natural communities where we live.*

*Each was developed to give people a positive experience in the outdoors and a sense of how they are connected to this place where we live. They complement many K-5 natural science themes, including the Seattle Public Schools science kits. The Washington State Essential Academic Learning Requirements (EALRS) fulfilled by each program are provided. Different programs are offered at each of the four Environmental Learning Centers. See the table on page 11 for program listings by facility.*

*When you register for a program, you receive a packet that includes:*

- ◆ Written confirmation
- ◆ Directions to the site you are visiting
- ◆ Checklist for chaperones
- ◆ Other amenities and activities available at the site
- ◆ Vocabulary list





©2008, CITY OF SEATTLE  
All rights reserved.

No warranties of any sort, including  
accuracy, fitness or merchantability  
accompany this product



# Facilities

## *Carkeek Park*

Located in northwest Seattle, this popular park offers extraordinary views of Puget Sound and the Olympic Mountains. Neighbors and volunteers have worked for many years to restore salmon to Pipers Creek in the park. Carkeek Park is a 216-acre greenspace with a wide variety of wildlife and ecosystems, including a 100 year old forest, salmon spawning streams, meadows, wetlands, and a beach with tidepools. It also has picnic tables, shelters, and a campfire ring. The ELC is available for rentals.

**Location:** On Puget Sound north of the Greenwood neighborhood, just west of 3<sup>rd</sup> Ave. NW. Enter from NW 110<sup>th</sup> and 3<sup>rd</sup> NW.

## *Discovery Park*

Situated on Magnolia Bluff overlooking Puget Sound, Discovery Park offers spectacular views of the Cascade and Olympic Mountain ranges. It is a 550-acre natural area – Seattle’s largest park. It includes two miles of protected tidal beaches on Puget Sound, open meadow lands, dramatic sea cliffs, forest groves, active sand dunes, thickets and wetlands. The ELC features exhibits and rental space.

**Location:** Five miles north of downtown Seattle in the Magnolia neighborhood, southwest of the Ballard Bridge. Enter from of W Emerson, W Govt. Way or 40th W.

## *Seward Park*

Seward Park is a 277-acre old growth forest peninsula. It’s a great place to explore nature, learn, play, and tour. There are three miles of Lake Washington shoreline, 10 miles of forest trails, grassy meadows, playgrounds, a swimming beach, and picnic shelters. When you visit, be sure to watch for Bald Eagles that nest in the park.

**Location:** In the Mt. Baker neighborhood in southeast Seattle. Enter from Lake Washington Blvd. S.

## *Camp Long*

Camp Long is a 68-acre park with an urban forest linked to the West Seattle Golf Course and Longfellow Creek. There is habitat for fox, coyotes, birds, and other animals. Hike in the forest, watch for salamanders in the pond, camp overnight in rustic cabins, rock climb, or plan your special event in the historic lodge.

**Location:** In West Seattle off of 35th Ave. SW, south of the golf course.

# Registration

*To register, please call one of the Environmental Learning Centers listed below. Programs are popular, so please register as early as possible. We need at least two weeks' notice to schedule a program. When calling, please be prepared with the following information:*

- ◆ Program title
- ◆ School name and address
- ◆ Daytime phone number and e-mail address
- ◆ Approximate number of students and adults
- ◆ Grade level of participants
- ◆ Program date and time and at least two alternative dates and times.
- ◆ Name and phone number of a contact person
- ◆ If a scholarship application is needed.

*We are generally able to provide a verbal confirmation over the phone, followed by a written confirmation.*

## *Pricing and Scholarships*

*Fees are \$50/hour per naturalist. For school-age children, most programs are 90 minutes long. In order to ensure a high quality program, we implement a ratio of one naturalist for every 15 children. If your group is larger than 15, we need to charge you for another naturalist. For preschool and kindergarten groups, most programs are 75 minutes long, and the ratio is one naturalist for every ten participants.*

*Scholarship money is available for non-profit groups and schools. Scholarship guidelines are available upon request.*

### **Camp Long ELC**

*Register Wed.-Fri  
5200 35th Ave. SW  
Seattle, WA. 98126  
206-684-7479*

### **Discovery Park ELC**

*3801 W. Government Way  
Seattle, WA. 98199  
206-386-9110*

### **Carkeek Park ELC**

*950 NW Carkeek Park Rd.  
Seattle, WA. 98177-4755  
206-684-0877*

### **Seward Park ELC**

*5902 Lk. Washington Blvd. S.  
Seattle, WA. 98118  
206-684-7479*



# Pre-Kindergarten & Kindergarten

## *Water Wrigglers*

**Science:** 1.1, 1.2, 1.3, 2.1, 3.2

**Math:** 1.1, 1.2, 1.3, 1.5, 5.2, 5.3

**Reading:** 1.1, 1.2, 1.3, 2.4, 3.1, 3.2

**Communications:** 1.1, 1.2, 2.1, 2.2, 3.1, 3.3

**Writing:** 3.2, 3.3

**Health & Fitness:** 1.1, 1.2, 2.1, 3.1

Experience the freshwater habitats of a city park. Waddling ducks, wriggling tadpoles, and dancing dragonflies are some of the creatures we may see as we explore what makes these places so special.

*Available April through September, available year-round at Carkeek Park.*

## *Bugs!*

**Science:** 1.1, 1.2, 1.3, 2.1, 3.2

**Math:** 1.1, 1.2, 1.3, 1.5, 5.2, 5.3

**Reading:** 1.1, 1.2, 1.3, 3.1, 3.2

**Communications:** 1.1, 1.2, 2.1, 2.2, 3.1, 3.3

**Writing:** 3.2, 3.3

**Health & Fitness:** 1.1, 1.2, 2.1, 3.1

Explore the creepy, crawly world of insects. We'll roam fields and forests in search of our six-legged friends.

*Available May through September.*

## *Lookin' at Low Tide*

**Science:** 1.1, 1.2, 1.3, 2.1, 3.2

**Math:** 1.1, 1.2, 1.3, 1.5, 5.2, 5.3

**Reading:** 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2

**Communication:** 1.1, 1.2, 2.1, 2.2

**Writing:** 3.2, 3.3

**Health & Fitness:** 1.1, 1.2, 2.1, 3.1

Search for the hard and the soft, the quick and the slow, and all the colors of the intertidal community.

*Available Spring and Summer during low tides.*



# Pre-Kindergarten & Kindergarten

## *Forest Friends*

**Science:** 1.1, 1.2, 1.3, 2.1, 3.2

**Math:** 1.2, 1.3, 1.5, 5.2, 5.3

**Reading:** 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2

**Communication:** 1.1, 1.2, 2.1, 2.2, 3.1, 3.3

**Writing:** 3.2, 3.3

**Health & Fitness:** 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2

Seattle has lots of forest habitat to explore. Venture through the trees looking for clues to animal habits, hiding places, and seasonal happenings. The *Forest Friends* program empowers participants to feel comfortable in the outdoors.

***Available year-round.***

## *Spiders are Special!*

**Science:** 1.1, 1.2, 1.3, 2.1, 3.2

**Math:** 1.1, 1.2, 1.3, 1.5, 5.2, 5.3

**Reading:** 1.1, 1.2, 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2

**Communication:** 1.1, 1.2, 2.1, 2.2

**Writing:** 3.2, 3.3

**Health & Fitness:** 1.1, 1.2, 2.1, 3.1

Weaving webs, waiting, stalking, and pouncing: delve into a micro-world as we search for and observe spiders. Discover beautiful and fascinating spiders as we explore fields and forests. Learn web construction and spider anatomy. The *Spiders are Special* program allows participants to explore in nature in a hands-on manner, safely, that inspires stewardship and appreciation.

***Available August through October***





# 1<sup>st</sup> Through 5<sup>th</sup> Grade

## *At Home in the Forest*

**Science:** 1.1 (1<sup>st</sup>, 2<sup>nd</sup>), 1.2, 1.3, 2.1, 2.2 (3<sup>rd</sup>-5<sup>th</sup>), 3.1, 3.2

**Math:** 1.1 (1<sup>st</sup>-4<sup>th</sup>), 1.5 (1<sup>st</sup>, 2<sup>nd</sup>), 3.2, 4.1, 5.2, 5.3

**Reading:** 1.1 (1<sup>st</sup>), 1.2, 1.3, 2.2

**Communication:** 1.1, 1.2, 2.1, 2.2, 2.3, 3.3

**Writing:** 3.2 (1<sup>st</sup>, 2<sup>nd</sup>)

**Soc. Stud./Geog:** 2.1, 2.3, 3.1, 3.2

**Health & Fitness:** 1.1, 3.1

The Pacific Northwest is famous for its evergreen forests. Explore these forests and the animals that make their homes in them, right here in your Seattle parks. The *At Home in the Forest* program is an exciting, hands-on way to teach participants about forest stewardship, nature appreciation, interdependence, the cycles of nature, and native plants.

*Available year-round*

## *Stewardship for Students*

**Science:** 1.1, 1.2

**Arts:** 2.2, 3.1, 3.2

**Reading:** 1.1, 1.2, 1.3, 1.4, 2.1, 2.3, 3.1, 3.2, 3.4

**Communications:** 1.1, 1.2, 1.3, 3.1, 3.2, 3.3

**Writing:** 1.3, 2.2, 2.3

**Soc. Stud./Geog.:** 3.1, 3.2

**Soc. Stud./Hist.:** 1.1, 1.2

**Soc. Stud./Civics:** 2.1

**Health & Fitness:** 1.2, 3.1

Students have the opportunity to get outside for hands-on learning by improving habitats for wildlife. Naturalists lead students through intensive instruction by using interactive games, hikes into the forest, removal of invasive plants, and planting native ones. The stewardship program is fun and challenging, and it makes a difference in Seattle's wildlife habitats.

*Available Winter, Summer, and Fall only*

## *Seattle is for the Birds!*

**Science:** 1.1, 1.2, 1.3, 2.1, 2.3 (1<sup>st</sup>-2<sup>nd</sup>), 2.4, 3.1 (3<sup>rd</sup>-5<sup>th</sup>), 3.2

**Math:** 1.1 (not 5<sup>th</sup>), 1.5 (1<sup>st</sup>-2<sup>nd</sup>), 3.2, 4.1, 5.2, 5.3

**Reading:** 1.1 (1<sup>st</sup>), 1.2, 1.3, 2.4

**Communications:** 1.1, 1.2, 2.1, 2.2, 2.3, 3.3

**Writing:** 3.2 (1<sup>st</sup>-2<sup>nd</sup>)

**Soc. Stud./Geog.:** 2.1, 2.3, 3.1, 3.2

**Health & Fitness:** 1.1, 3.1

Birds have many unique characteristics and adaptations that allow them to live in specific habitats. Hike through a park listening and looking for birds. Observe bird behavior and learn which birds use which habitats and investigate why. *Seattle is for the Birds!* is a great program, allowing participants to use their observation skills and experience nature in a thoughtful manner.

*Available year-round*



# 1<sup>st</sup> Through 5<sup>th</sup> Grade

## *Adventures with Spiders*

Science: 1.1, 1.2, 1.3, 2.1, 2.2, 3.1 (3<sup>rd</sup>-5<sup>th</sup> only), 3.2

Math: 1.1 (not 5<sup>th</sup>), 3.2, 4.1, 5.2, 5.3

Reading: 1.1 (1<sup>st</sup> gr. only), 1.2, 1.3, 2.4 (3<sup>rd</sup>-5<sup>th</sup> only)

Communications: 1.1, 1.2, 2.1, 2.2, 2.3, 3.3

Writing: 3.2 (1<sup>st</sup> and 2<sup>nd</sup> only)

Soc. Stud./ Geography: 3.1, 3.2

Health & Fitness: 1.1, 3.1

Spiders are a fascinating group of animals that have a bad reputation. Investigate the characteristics of spiders and how their adaptations actually help humans to survive. Search the park for different types of spiders using various hands-on techniques.

Observe how spiders catch their food and their important role in the ecosystem.

*Adventures with Spiders* allows participants to explore nature and the lives of spiders, in an experiential manner that inspires respect, stewardship, and curiosity.

*Available August through October*

## *Incredible Insects*

Science: 1.1, 1.2, 1.3, 2.1, 2.2 and 3.1 (3<sup>rd</sup>-5<sup>th</sup> only), 3.2

Math: 1.1 (not 5<sup>th</sup>), 1.5 (1<sup>st</sup> and 2<sup>nd</sup> only), 3.2, 4.1, 5.2, 5.3

Reading: 1.2, 1.3, 2.2, 2.3 (1<sup>st</sup> and 2<sup>nd</sup> only), 2.4, 3.1

Communications: 1.1, 1.2, 2.1, 2.2, 2.3, 3.3

Writing: 3.2 (1<sup>st</sup> and 2<sup>nd</sup> only)

Soc. Stud./Geography: 2.1 and 2.3 (1<sup>st</sup> and 2<sup>nd</sup> only), 3.1, 3.2

Health & Fitness: 1.1, 3.1

Investigate different habitats in your Seattle parks for all the fascinating insects that make their homes there. Discuss the physical characteristics of insects, their life cycles, and their role in the ecosystem. *Incredible Insects* allows participants to experience nature and insects in a hands-on manner that inspires curiosity, stewardship, and learning.

*Available May through October*

*1<sup>st</sup> Through 5<sup>th</sup> Grade*

## *Pond and Wetland Exploration*

Science: 1.1, 1.2, 1.3, 2.1, 2.2, 3.1 (3<sup>rd</sup>-5<sup>th</sup> only), 3.2

Math: 1.1 (not 5<sup>th</sup>), 1.5 (1<sup>st</sup> and 2<sup>nd</sup> only), 3.2, 4.1, 5.2, 5.3

Reading: 1.1 (1<sup>st</sup> grade only), 1.2, 1.3, 2.2, 2.3 (1<sup>st</sup> and 2<sup>nd</sup> only), 2.4, 3.1

Communications: 1.1, 1.2, 2.1, 2.2, 3.3

Writing: 3.2 (1<sup>st</sup> and 2<sup>nd</sup> only)

Soc. Stud./ Geography: 2.1, 2.3, 3.1, 3.2

Health & Fitness: 1.1, 3.1

Explore the varied aquatic habitats of Seattle parks. Using dip nets and field magnifiers catch and identify aquatic wildlife. Get a first-hand look at developmental stages involved with metamorphosis; experience the importance of wetlands to our community.

*Available April through September, year-round at Carkeek Park*

## *Intertidal Investigations*

Science: 1.1, 1.2, 1.3, 2.1, 2.2 (3<sup>rd</sup>-5<sup>th</sup> only), 3.2

Math: 1.1 (not 5<sup>th</sup>), 1.5 (1<sup>st</sup> and 2<sup>nd</sup> only), 3.2, 4.1, 5.2, 5.3

Reading: 1.2, 1.3, 2.2, 2.3 (1<sup>st</sup> and 2<sup>nd</sup> only), 2.4

Communications: 1.1, 1.2, 2.1, 2.2, 2.3, 3.3

Writing: 3.2 (1<sup>st</sup> and 2<sup>nd</sup> only)

Soc. Stud./ Geography: 2.1, 2.3, 3.1, 3.2

Health & Fitness: 1.1, 3.1

Explore the saltwater beaches of Puget Sound during low tide. Learn to find, touch, and handle, gently and safely, the unusual life forms that make their home between the tides. Learn the challenges of life in the tide zone and the adaptations these animals develop to survive. *Intertidal Investigations* allows participants to experience a unique habitat, in a hands-on manner that inspires curiosity, stewardship, and learning.

*Available Spring and Summer during low tides*



# Special Opportunities By Environmental Learning Center

Descriptions are available for the following programs upon request. Each program can be adapted for various grade levels.

## **Discovery Park 206-386-9110**

Owls: Hunters of the Night  
Changing Forms, Changing Times: An Adventure in Geology

## **Seward Park 206-684-7479**

Taylor Creek – The Riparian Ecosystem  
Ethnobotany

## **Camp Long 206-684-7479**

Raptors-Hunters on the Wing  
Exploring a Watershed  
Where They Go In Winter  
Wildlife Tracking

## **Carkeek Park 206-684-0877**

Salmon in the Watershed  
Plants! Secrets and Ethnobotany  
Web of Life

<b>Programs Offered at Each Environmental Learning Center</b>				
Program Title and Grade Level	CarkeekPark	Camp Long	Discovery Park	Seward Park
Adventures w/ Spiders, 1-5	✓	✓	✓	✓
At Home in the Forest, 1-5	✓	✓	✓	✓
Bugs! PK-K	✓	✓		✓
Forest Friends, PK-K	✓	✓	✓	
Incredible Insects, 1-5	✓	✓	✓	✓
Intertidal Investigations, 1-5	✓	✓	✓	
Lookin' at Lowtide, PK-K	✓	✓	✓	
Pond and Wetland Exploration, 1-5	✓	✓	✓	
Seattle is for the Birds! 1-5		✓	✓	
Spiders are Special, PK-K	✓	✓	✓	✓
Stewardship for Students, 1-5	✓		✓	
Water Wrigglers, PK-K	✓	✓	✓	

Programs can be adapted for other grades upon request.



*SEATTLE PARKS  
AND RECREATION*

***Environmental Learning Centers***  
***3801 W. Government Way***  
***Seattle, WA 98199-1014***